



NTP RADIOCHEMICALS





NTP Radioisotopes SOC Ltd, a subsidiary of the South African Nuclear Energy Corporation SOC Ltd (Necsa), produces a range of high-quality bulk radiochemical products that are exported to customers in 50 countries around the world

Bulk radiochemical products

**NTP RADIOCHEMICAL
FISSION PRODUCTS USED AS
ACTIVE PHARMACEUTICAL
INGREDIENTS INCLUDE:**

- Molybdenum-99
- Iodine-131
- Lutetium-177 n.c.a.





INTEGRATED RADIOISOTOPE PRODUCTION AND PROCESSING



NTP is one of the largest integrated commercial radioisotope producers in the world. From the on-site irradiation of targets to the processing of commercial radioisotopes and the manufacture and distribution of radiochemicals and radiopharmaceuticals, NTP and its parent company Necsa manage the radioisotope process all the way through to the safe treatment and storage of radiation by-products and waste streams.

Target irradiations of materials, sourced and prepared on site in most cases, are performed in the high-flux SAFARI-1 20 MW research reactor. These are then transferred to the adjacent radiochemical processing facility. In this large hot cell complex, various chemical processing steps are performed prior to dispensing of finished bulk radiochemical products to customers' specification and despatched to the required destinations.

NTP is based at the Necsa Pelindaba nuclear complex in South Africa, with ISO 9001:2015 and cGMP certified facilities, and a licence from the National Nuclear Regulator (NNR) of South Africa. Environmental management is maintained according to ISO 14001 guidelines and personnel health and safety systems and performance are of the highest international standards.



DEDICATED LOGISTICS NETWORK

NTP has built up a large fleet of radiochemical transport containers, designed, manufactured, tested on-site by NTP specialists and certified to international standards and requirements. NTP works with subsidiary company NTP Logistics, which specialises in the global distribution of hazardous and other time-sensitive goods. Through this partnership the NTP Group has established regional and international airline transport routes that are not only reliable and efficient, but for which stand-by arrangements are in place, to most major destinations globally.



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